



## SECTION 10 22 13

### WIRE MESH PARTITIONS Versa Guard™

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Versa Guard™ wire mesh assemblies.
  - 1. Swinging doors.
  - 2. Sliding doors.
  - 3. Cage ceilings.

##### 1.2 RELATED SECTIONS

- A. Section 08 71 53 - Security Door Hardware.

##### 1.3 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Installation methods.
- C. Shop Drawings: Provide plan of panel and door lay-out with elevations indicating panel height and relation to supporting and enclosing structure. Provide details of door construction and hardware location.

##### 1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 10-year experience manufacturing similar products.
- B. Installer Qualifications: Minimum 2-year experience installing similar products.

##### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.
- B. Handling: Handle materials to avoid damage.

##### 1.6 PROJECT CONDITIONS

- A. Do not install products under environmental conditions outside manufacturer's recommended limits.

- B. If stored outside product should be protected against the elements.

## 1.7 SEQUENCING

- A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Folding Guard, which is located at 5858 West 73<sup>rd</sup> Street, Bedford Park, IL 60638; Tel: 800.622.2214; Fax: 708.325.0450; Email: [sales@foldingguard.com](mailto:sales@foldingguard.com)
- B. Web: <http://www.foldingguard.com>.
- C. Substitutions: Not permitted.
- D. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

### 2.2 WIRE MESH PARTITIONS

- A. Partition Assembly: Model Versa Guard™ as manufactured by Folding Guard.
- B. Panels shall be welded at each intersection of the No. 8 gauge (0.160 inch) (4 mm) steel wires (more than 500 welds in a 4 feet (1.2 m) by 8 feet (2.4 m) panel) in a 1-1/4 inches (32 mm) by 2-1/2 inches (64 mm) grid openings, with 1-1/2 inch (38 mm) bends at 90 degrees on the top and bottom for increased rigidity. Furnished as standard in a durable black powder coat finish (RAL9005), with the ability to be trimmed in the field to accommodate changes in dimensions, obstructions or conveyor or lift systems with no unraveling wires. Optional powder coat colors available; specify as required.
- C. Versa Guard™ wire mesh partitions shall be supported by line posts constructed of 2 inches (51 mm) by 2 inches (51 mm) by 16-gauge steel tubing, welded to a steel base plate 1/4 inch (6.4 mm) by 4 inches (102 mm) by 6 inches (152 mm), complete with three holes provided for anchoring. Posts shall be furnished with precise lasered holes for ease of panel installation. Furnished as standard in a durable powder coat finish, Safety Yellow (RAL1018). Optional colors are available; specify as required.
  - 1. Posts shall be furnished at the one of the selected standard heights:
    - a) 63" (1.6m) high system.
    - b) 84" (2.1m) high system.
    - c) 96" (2.4m) high system.
    - d) Custom height (specify \_\_\_\_\_).
  - 2. Attachment of wire mesh partitions to line posts to be accomplished by six (6) panel clips and six (6) 1/4" x 2-1/2" long zinc plated carriage bolts secured with serrated flange nuts (self-drilling/self-tapping screws shall not be approved as equal). The two upper panel brackets allow for a one-person installation by temporarily supporting the panels in place before securing hardware. The four intermediate panel clips along with the two upper brackets shall then be secured for a rigid installation.
- D. Hinged door frame shall be 1-1/4 inches by 1-1/4 inches (32 mm by 32 mm)

14-gauge steel angle on all four sides (full frame), with 1-1/2 inches (38 mm) pair of butt hinges. Horizontal reinforcing centered about 42 inches (1067 mm) high shall be accomplished by two angles 1 inch by 1 inch (25 mm by 25 mm) top and bottom, secured to side frames with a full weld.

1. Door shall be furnished as standard with a snap lock door catch to ensure closed position.
2. Door shall be furnished with an optional heavy duty service mortise type cylinder locks operated by a key from outside, and a recessed thumb-turn actuation from inside.
3. Additional options to be specified as required: Lever Handle, Push Bar, Paddle, Keypad, Padlock Hasp, Electric Strike or Card Reader.

**E. Slide Door (substitute for hinge door paragraph):**

Sliding door frame shall be 1-1/4 inches by 1-1/4 inches (32 mm by 32 mm) 14-gauge steel angle on all four sides (full frame). Horizontal reinforcing centered about 42 inches (1067 mm) high shall be accomplished by two angles 1 inch by 1 inch (25 mm by 25 mm) top and bottom, secured to side frames with a full weld. Door shall be equipped with a heavy box track, two 2-1/8 inch (54mm) diameter four-wheel ball bearing hangers, and bottom guide channel.

1. Door shall be furnished as standard with a snap lock door catch to ensure closed position.
2. Door shall be furnished with an optional heavy duty service mortise type cylinder lock operated by a key from outside, and a recessed thumb-turn actuation from inside.
3. Additional options to be specified as required: Padlock Hasp, Electric Strike, Card Reader or Magnetic Lock.

- F. Cage ceilings to be manufacturer's standard construction and configuration. Furnished as standard in a durable black powder coat finish (RAL9005). A wet spray enamel paint coating shall not be approved as equal.

### PART 3 EXECUTION

#### 3.1 EXAMINATION

- B. Do not begin installation until substrates have been properly prepared.
- C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

#### 3.2 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Dependent upon height, brace panels and doors to structure to resist panel applied loads and door misalignment.

#### 3.3 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION